



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/774,176

DATE: 09/16/2004

TIME: 12:15:26

Input Set : N:\Crf3\RULE60\10774176.raw
 Output Set: N:\CRF4\09162004\J774176.raw

1 <110> APPLICANT: CARROLL, MILES WILLIAM
 2 MYERS, KEVIN ALAN
 3 <120> TITLE OF INVENTION: POLYPEPTIDE
 4 <130> FILE REFERENCE: 078883/0120
 5 <140> CURRENT APPLICATION NUMBER: US/10/774,176
 6 <141> CURRENT FILING DATE: 2004-02-06
 7 <150> PRIOR APPLICATION NUMBER: US/09/533,798
 8 <151> PRIOR FILING DATE: 2000-03-24
 9 <150> PRIOR APPLICATION NUMBER: 60/126,187
 10 <151> PRIOR FILING DATE: 1999-03-25
 11 <150> PRIOR APPLICATION NUMBER: 60/126,188
 12 <151> PRIOR FILING DATE: 1999-03-25
 13 <150> PRIOR APPLICATION NUMBER: GB 9825303.2
 14 <151> PRIOR FILING DATE: 1998-11-18
 15 <150> PRIOR APPLICATION NUMBER: GB 9901739.4
 16 <151> PRIOR FILING DATE: 1999-01-27
 17 <150> PRIOR APPLICATION NUMBER: GB 9917995.4
 18 <151> PRIOR FILING DATE: 1999-07-30
 19 <160> NUMBER OF SEQ ID NOS: 27
 20 <170> SOFTWARE: PatentIn version 2.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1263
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
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 28 ctagcgctgg tactcctggg ctgggtctcc tcgttcttc ccacctcctc ggcatccctcc 120
 29 ttctccctct cggcgccgtt cctggcttcc gccgtgtccg cccagcccc gctgccggac 180
 30 cagtcccccg cgctgtgcga gtgctccgag gcagcgcga cagtcaagtgc cgtaaccgc 240
 31 aatctgaccg aggtgcccac ggacctgccc gcctacgtgc gcaacctt cttaccggc 300
 32 aaccagctgg ccgtgctccc tgccggcgcc ttcggccggc ggccggccgcg ggcggagctg 360
 33 gccgcgtca acctcagcgg cagccgcctg gacgaggtgc ggcggggcgc ctgcgagcat 420
 34 ctgcccagcc tgccgcagct cgacctcagc cacaacccac tggccgaccc cagtcccttc 480
 35 gctttctcggt gcagcaatgc cagcgtctcg gccccagtc cccttgcgtt actgatcctg 540
 36 aaccacatcg tgccccctga agatgagcgg cagaacccgg aacttcgaggg catggtggtg 600
 37 gcgccccctgc tggcgccggc tgcaactgcag gggctccgcg gcttggagct ggccagcaac 660
 38 cacttccttt acctgcccgcg ggatgtgcgt gcctaactgc ccagcctcag gcacctggac 720
 39 ttaagtaata attcgctggt gagcctgacc tacgtgtccct tccgcaaccc gacacatcta 780
 40 gaaaggctcc acctggagga caatgcctc aaggcttc acaatggcac cctggctgag 840
 41 ttgcaaggtc tacccccacat tagggtttc ctggacaaca atccctgggt ctgcgactgc 900
 42 cacatggcag acatggtgac ctggctcaag gaaacagagg tagtgcaggg caaagaccgg 960
 43 ctcacctgtg catatccgga aaaaatgagg aatcgggtcc tottggaaact caacagtgt 1020
 44 gacccctggact gtgaccggat tcttccccca tccctgcaaa cctcttatgt ctccctgggt 1080

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45      attgttttag ccctgatagg cgctatttc ctcctggtt tgtatttcaa ccgcaagggg 1140
46      ataaaaaaagt ggatgcataa catcagagat gcctgcaggg atcacatgga agggtatcat 1200
47      tacagatatg aaatcaatgc ggacccaga ttaacaaacc tcagttctaa ctggatgtc 1260
48      tga                                         1263
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51 <211> LENGTH: 1281
52 <212> TYPE: DNA
53 <213> ORGANISM: Mus musculus
54 <400> SEQUENCE: 2
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57      tcttccacct ccccgccaga ctccctggcc tcggggtctg cgcagccccc gccagccgag 180
58      agatgccccg cggcgtgcga gtgctccgag gccgcgcga cggtaagtgc cgtgaaccgc 240
59      aacctgctgg aggtgccggc gatatcaccg cttacgtgc gcaaccttt ctttacccgc 300
60      aaccagatga cccgtctccc cgcggcgcc ttgcggccgc agccgcgcgc cgccgacactg 360
61      gagggcgtca acctcagcgg caaccacctg aaggaggtgt gtgcaggtgc ctgcagcat 420
62      ctgccgggtc tgccggcgtc tgacctcagc cacaaccctc tcaccaacccctc cagcccttc 480
63      gtcttgccgg gcagcaacgc cagcgtctcg gccccccagcc ccctggagga gctgatcctg 540
64      aatcacatcg tgcccccgtg gatcagagg cagaacggga gttcgaggg tatggtgcc 600
65      ttcaaggca tggtggcagc agctctgcgc tcaggccttgc cactccgagg tcttacacgc 660
66      ctggagctag ccagcaatca ctttctttc ctgcctcggt acttactagc ccaactgccc 720
67      agtctcagat acctggacact caggaacaat tccctggtgc gcctgaccta cgcacatcctc 780
68      cgcacactga cacacctcgaa aacccctccat ttggaggaca atgccttcaa ggtcccttac 840
69      aactccaccc tggctgagtg gcaaggcctg gctcatgtca aggtgttccct ggacaacaat 900
70      ccctgggttgc gcgactgcta catggctgac atggtggctt ggcttaaaga gacagaggtg 960
71      gtgccagata aagccaggct tacctgcgc ttcccgaga agatgaggaa tcgtggcctc 1020
72      ttagacactca acagctctga cctggactgt gacgctgtcc ttcccccaatc cctgcagact 1080
73      tcctatgtct tccttaggtat tggggtagct ctgataggcg ctatttccct cctcgttttg 1140
74      tatttgaacc gtaaaggcat aaaaaagtgg atgcataaca tcagagatgc ctgcaggat 1200
75      cacatggaaag ggtatcatta cagatacgaa atcaatgcgg accccagatt aacaaatctt 1260
76      agtccaact cggatgtctg a                                         1281
78 <210> SEQ ID NO: 3
79 <211> LENGTH: 901
80 <212> TYPE: DNA
81 <213> ORGANISM: Canis sp.
82 <220> FEATURE:
83 <221> NAME/KEY: modified_base
84 <222> LOCATION: (66)
85 <223> OTHER INFORMATION: a, c, g or t
86 <221> NAME/KEY: modified_base
87 <222> LOCATION: (145)
88 <223> OTHER INFORMATION: a, c, g or t
W--> 89 <221> modified_base
90 <222> LOCATION: (277)..(278)
91 <223> OTHER INFORMATION: a, c, g or t
W--> 92 <221> modified_base
93 <222> LOCATION: (287)
94 <223> OTHER INFORMATION: a, c, g or t
W--> 95 <221> modified_base

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96 <222> LOCATION: (353)
97 <223> OTHER INFORMATION: a, c, g or t
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99 <222> LOCATION: (358)
100 <223> OTHER INFORMATION: a, c, g or t
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102 <222> LOCATION: (428)..(429)
103 <223> OTHER INFORMATION: a, c, g or t
W--> 104 <221> modified_base
105 <222> LOCATION: (577)
106 <223> OTHER INFORMATION: a, c, g or t
W--> 107 <221> modified_base
108 <222> LOCATION: (580)
109 <223> OTHER INFORMATION: a, c, g or t
W--> 110 <221> modified_base
111 <222> LOCATION: (719)
112 <223> OTHER INFORMATION: a, c, g or t
W--> 113 <221> modified_base
114 <222> LOCATION: (788)
115 <223> OTHER INFORMATION: a, c, g or t
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117 <222> LOCATION: (863)
118 <223> OTHER INFORMATION: a, c, g or t
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120 <222> LOCATION: (868)
121 <223> OTHER INFORMATION: a, c, g or t
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123 <222> LOCATION: (871)
124 <223> OTHER INFORMATION: a, c, g or t
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W--> 127 vddrrnrsvm vaaactccga gcggggcccg cgcttcgcgg gctgcagtgc ctggagctgg 120
128 cccgcaaccc cttcragrar gcagnrctct acttgcctcg cgacgtcccg gcccagctac 180
129 cccgcctccg gcacctggac ctgcgcyrdv agrhdraaca attccctgg gagectcacc 240
130 tacgtgtcct tccgcaacct gacgcacttg gagagcnsv styvsrnths ctccacctgg 300
131 agacaacgc cctcaaggc cttcacaacg ccaccctggc ggagctgcag hdnakvhnat 360
132 aaggcctgcc caacgtccggg tcttcctgga caacaacccc tgggtctgcg attgtcacat 420
133 gshvrvdnw vcdchmgcag acatggtggc ctggctcaag gagacagagg tgggtccggg 480
134 caaagccggg ctcaccadmv awktvvkgak ttgtgcattc ccggagaaaa tgaggaatcg 540
135 ggcctcttg gaactcaaca gctcccacct gcakmrnran sshgactgtg accctatcct 600
136 ccctccatcc ctgcagactt cttatgtctt cctaggtatt gtcacdtsy vgvtagccc 660
137 tgataggcgc catcttccta ctggttttgt atttgaaccg caaggggata aagagavynr 720
138 kgkaagtggta tgcataacat cagagatgcc tgcagggatc acatggaaagg gtatcactac 780
139 agakwmhnrd acrdhmgyhy rtacgaaatc aatgcagacc ccaggttaac aaacctcagt 840
140 tccaattcgg atgtctgaga aynadrtnss nsdvacagtc ggggacagac caaggacaac 900
141 t 901
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 238
145 <212> TYPE: PRT

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146 <213> ORGANISM: Canis sp.
147 <400> SEQUENCE: 4
148 Ile Val Pro Pro Asp Asp Arg Arg Gln Asn Arg Ser Phe Glu Val Met
149 1 5 10 15
150 Val Ala Ala Ala Leu Arg Ala Gly Arg Ala Leu Arg Gly Leu Gln Cys
151 20 25 30
152 Leu Glu Leu Ala Gly Asn Arg Phe Leu Tyr Leu Pro Arg Asp Val Leu
153 35 40 45
154 Ala Gln Leu Pro Gly Leu Arg His Leu Asp Leu Arg Asn Asn Ser Leu
155 50 55 60
156 Val Ser Leu Thr Tyr Val Ser Phe Arg Asn Leu Thr His Leu Glu Ser
157 65 70 75 80
158 Leu His Leu Glu Asp Asn Ala Leu Lys Val Leu His Asn Ala Thr Leu
159 85 90 95
160 Ala Glu Leu Gln Ser Leu Pro His Val Arg Val Phe Leu Asp Asn Asn
161 100 105 110
162 Pro Trp Val Cys Asp Cys His Met Ala Asp Met Val Ala Trp Leu Lys
163 115 120 125
164 Glu Thr Glu Val Val Pro Gly Lys Ala Gly Leu Thr Cys Ala Phe Pro
165 130 135 140
166 Glu Lys Met Arg Asn Arg Ala Leu Leu Glu Leu Asn Ser Ser His Leu
167 145 150 155 160
168 Asp Cys Asp Pro Ile Leu Pro Pro Ser Leu Gln Thr Ser Tyr Val Phe
169 165 170 175
170 Leu Gly Ile Val Leu Ala Leu Ile Gly Ala Ile Phe Leu Leu Val Leu
171 180 185 190
172 Tyr Leu Asn Arg Lys Gly Ile Lys Lys Trp Met His Asn Ile Arg Asp
173 195 200 205
174 Ala Cys Arg Asp His Met Glu Gly Tyr His Tyr Arg Tyr Glu Ile Asn
175 210 215 220
176 Ala Asp Pro Arg Leu Thr Asn Leu Ser Ser Asn Ser Asp Val
177 225 230 235
179 <210> SEQ ID NO: 5
180 <211> LENGTH: 9
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
185 <400> SEQUENCE: 5
186 Phe Leu Thr Gly Asn Gln Leu Ala Val
187 1 5
189 <210> SEQ ID NO: 6
190 <211> LENGTH: 9
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
195 <400> SEQUENCE: 6
196 Ala Leu Ile Gly Ala Ile Phe Leu Leu

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Input Set : N:\Crf3\RULE60\10774176.raw
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197 1 5
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 9
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
205 <400> SEQUENCE: 7
206 Ser Leu Gln Thr Ser Tyr Val Phe Leu
207 1 5
209 <210> SEQ ID NO: 8
210 <211> LENGTH: 9
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
215 <400> SEQUENCE: 8
216 Ala Ile Phe Leu Leu Val Leu Tyr Leu
217 1 5
219 <210> SEQ ID NO: 9
220 <211> LENGTH: 9
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
225 <400> SEQUENCE: 9
226 Gly Leu Pro His Ile Arg Val Phe Leu
227 1 5
229 <210> SEQ ID NO: 10
230 <211> LENGTH: 9
231 <212> TYPE: PRT
232 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
235 <400> SEQUENCE: 10
236 Phe Leu Gly Ile Val Leu Ala Leu Ile
237 1 5
239 <210> SEQ ID NO: 11
240 <211> LENGTH: 9
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: 5T4 9 Mer
245 <400> SEQUENCE: 11
246 Asn Leu Thr Glu Val Pro Thr Asp Leu
247 1 5
249 <210> SEQ ID NO: 12
250 <211> LENGTH: 9
251 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/16/2004
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 66,145,277,278,287,353,358,428,429,577,580,719,788,863,868
Seq#:3; N Pos. 871

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10774176.raw
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L:89 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:92 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:95 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:98 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:101 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:104 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:107 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:119 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:122 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:60
M:341 Repeated in SeqNo=3